

AMENDMENTS TO THE CLAIMS

Claims 1- 46 (Cancelled)

47. (Currently Amended) A windable, substantially two-dimensional flexible film for selectively creating three-dimensional objects, said flexible film having its own autonomy and being provided with a structurally transformable substance, at least in those regions where it is required to be substantially rigid to structurally define said objects, said structurally transformable substance being inert with respect to said film, and provided with at least one modifying agent for said structurally transformable substance, said modifying agent being activable by the administration of ~~non-ionizing energy~~, said non-ionizing energy thereto, said energy being inert with respect to said film and to said structurally transformable substance when not activated, but producing a structural transformation of said structurally transformable substance in said selective regions when activated to form said three-dimensional objects.

48. (Currently Amended) A flexible film, wound as a plurality of layers into a roll, said roll serving as a precursor to the formation of selected objects from the flexible film, said flexible film having its own autonomy and containing, at least in selective regions where the objects are required to be substantially rigid to structurally define said objects, a structurally transformable substance which is inert with respect to said film and which further contains at least one modifying agent for activating said structurally transformable substance, said modifying agent being adapted to be activated by the administration of ~~non-ionizing energy~~

thereto and which is inert with respect to said film and to said structurally transformable substance when not activated, whereby the flexible film, the structurally transformable substance and the modifying agent coexist in the flexible film layers and when it is desired to transform the flexible film on the roll into said selected objects, the flexible film is unwound from the roll and the structurally transformable substance is activated to produce a structural transformation from a substantially two-dimensional film into said selected objects.

49. **(Currently Amended)** The flexible film of claim 48, wherein the structurally transformable substance is a ~~polyether-resin~~ polyethylene, acrylated urethanes, monoacrylated monomers, silicones, polyurethanes, polypropylene, polyesters, a melamine-fiber mixture, melamine-formaldehyde-fiber mixture and materials with a shaped memory phenomenon.

50. **(Currently Amended)** The flexible film of claim 48, said flexible film ~~being paper~~ or is paper, polyethylene or formaldehyde melamine resin.

51. **(Currently Amended)** The flexible film of claim 48, wherein the ~~non-ionizing~~ energy is thermal energy, UV, visible or infrared radiation, electronic, ~~ionic~~ ionic, electrochemical, ultrasonic, electromagnetic, and nuclear.

52. **(Previously Presented)** A substantially flat thin flexible film used to form objects of structural definition which comprises:

a plurality of selective regions provided in the flexible film, each of said selective regions containing a structurally transformable substance and a modifying agent, whereby upon the administration of non-ionizing energy, the modifying agent is activated to produce a structural transformation of said structurally transformable substance to a partially rigid or substantially rigid state in said selected regions to form said structurally defined objects.

53. (Previously Presented) A rewindable flexible film for selectively creating structural stability in selected portions of objects to be formed, said flexible film having its own autonomy and being provided, at least in those regions where the objects are required to be substantially rigid, with a structurally transformable substance which is inert with respect to said film, and which is provided with at least one modifying agent for said structurally transformable substance, said modifying agent being activable by the administration of non-ionizing energy, said non-ionizing energy being inert with respect to said film and to said structurally transformable substance when said activable modifying agent is not activated, but producing a structural transformation of said structurally transformable substance in selective regions when said activable modifying agent is activated.

54. (Previously Presented) A flexible film, wound into a roll as a precursor to the formation of selected objects from the flexible film, said flexible film having its own autonomy and containing, at least in selective regions where the objects are required to be substantially rigid, a structurally transformable substance which is inert with respect to said film and which

further contains at least one modifying agent for said structurally transformable substance, said modifying agent being adapted to be activated by the administration of non-ionizing energy, whereby the flexible film, the structurally transformable substance and the modifying agent coexist and when it is desired to transform the flexible film on the roll to said selected objects, the flexible film is unwound from the roll and the modifying agent is activated by said non-ionizing energy causing a structural transformation of the structurally transformable substance in said selective regions of said objects.

55. (New) The flexible film of claim 47, wherein the modifying agent is hydroxycyclohexylphenyl ketone.